

From: [Jim McLucas](#)
To: [Kathleen Truesdell](#);
CC: ["Greg Darwin"](#);
Subject: RE: Plant Efficiency
Date: Monday, August 30, 2010 10:48:21 AM
Attachments:

Kathleen -

The heat rate of 6,752 Btu/kWh is based on HHV. Table 5.1-1 is incorrect. The fuel use of 1,896 MMBtu/hr is correctly shown as LHV, but the heat rate of 6,760 Btu/kWh is incorrectly shown as LHV. It should be HHV (and should be 6,752 Btu/kWh). Also, in the same table, the net facility output should be 624 MW to agree with Section 2 of the AFC.

Thanks!

- Jim

From: Kathleen Truesdell [mailto:ktruesdell@baaqmd.gov]
Sent: Monday, August 30, 2010 9:25 AM
To: Jim McLucas
Cc: Greg Darwin
Subject: RE: Plant Efficiency

Jim,

Please clarify whether the net facility heat rate of 6,752 Btu/kWh is based on LHV or HHV. The AFC and supplement filing of Chapter 5 (Tables 5.1-1) states it is LHV, but the e-mail below indicates it is HHV.

Thanks,
Kathleen

-----Original Message-----

From: Jim McLucas [mailto:jim.mclucas@radback.com]
Sent: Wednesday, November 11, 2009 4:02 PM

To: Kathleen Truesdell
Cc: Greg Darvin
Subject: Plant Efficiency
Kathleen -

I'm attempting to follow up on your efficiency comment from the other evening. Would it be possible for you to send me the Russell City document that shows the plant efficiency of 57% (assuming it is a public document)? As I mentioned, I suspect the difference between Russell City's efficiency and ours may be an HHV/LHV issue. The heat rate mentioned in our AFC is 6,752 Btu/kWh (HHV). This is equal to an efficiency of 50.5% on an HHV-basis. On an LHV-basis, this is equivalent to 56.0%.

Thanks!

Jim McLucas
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